Goal Zero GZ22220

Goal Zero Sherpa 100PD User Manual

Model: GZ22220 | Brand: Goal Zero

PRODUCT OVERVIEW

The Goal Zero Sherpa 100PD is a high-capacity portable power bank designed to keep your essential devices charged on the go. Its robust construction and versatile charging options make it ideal for travel, remote work, and outdoor adventures. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your Sherpa 100PD.

Figure 1: Goal Zero Sherpa 100PD Portable Power Bank

The Sherpa 100PD features a sleek design with a durable aluminum unibody. It includes multiple charging ports and a clear display for monitoring power status.

PRODUCT FEATURES AND COMPONENTS

The Sherpa 100PD is equipped with various features to meet your power needs:

- **Ultimate Power Bank:** 95Wh capacity to charge USB-C laptops, tablets, phones, and cameras.
- **Faster Charging:** 100W USB-C output for rapid device charging.
- **Wireless Charging:** Integrated 15W wireless charging capabilities.
- **Built to Last:** Rugged, heavy-duty aluminum unibody construction.
- **Versatile:** Capable of charging multiple devices simultaneously.
- **Informative Display:** Color LCD display showing input/output wattage, battery percentage, and time to full/empty.
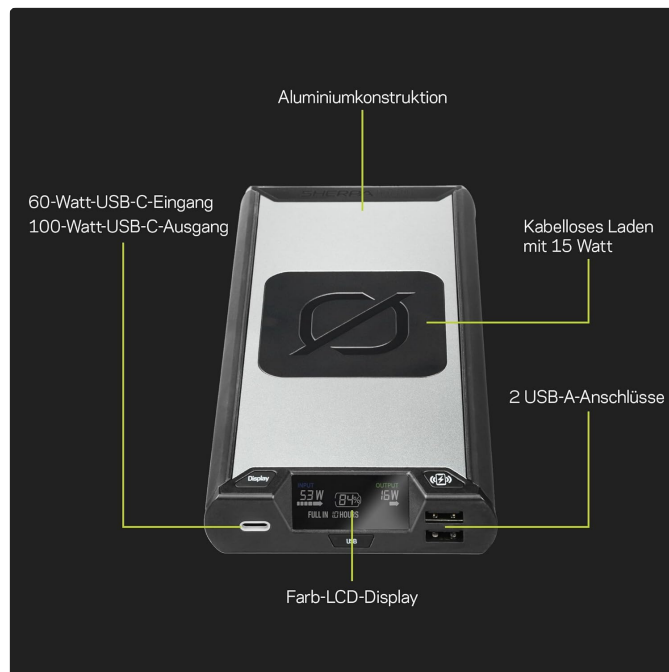
Figure 2: Labeled components of the Sherpa 100PD

Key components include the USB-C ports (60W in / 100W out), 2x USB-A ports, wireless charging pad (up to 15W), color LCD display, and impact bumpers for durability. The rear features a USB-C in/out selector switch.

SETUP

Charging the Sherpa 100PD

Before first use, fully charge your Sherpa 100PD. The power bank can be charged via its USB-C port.

- **USB-C Wall Charger:** Connect a USB-C wall charger (not included) to the 60W USB-C input port. A 65W charger can fully charge the power bank in approximately 2 hours.
- **Solar Panel:** The Sherpa 100PD can be charged using a compatible solar panel (e.g., Goal Zero Nomad 20). Connect the solar panel to the 8mm solar input port. Charging times vary depending on sunlight conditions (typically 8-16 hours for a Nomad 20).

Figure 3: Charging the Sherpa 100PD via USB-C wall charger or solar panel.

For optimal charging speed, use a 60W or higher USB-C Power Delivery charger. The device does not include a wall

adapter.

Official Product Overview Video

This video provides a comprehensive overview of the Sherpa 100PD, including unboxing, features, and basic usage instructions. It highlights the differences between the PD and AC models.

OPERATING INSTRUCTIONS

Using the Display and Buttons

The Sherpa 100PD features an intuitive color LCD display and control buttons:

- **Display Button:** Press the 'Display' button (left side of the display) to turn the screen on and view power statistics. The light next to the button will illuminate.
- **Wireless Charging Button:** Press the wireless charging button (right side of the display) to activate the 15W wireless charging pad. A light will illuminate when active.
- **USB Button:** Press the 'USB' button (below the display) to turn on/off the USB-A and USB-C output ports. A light will indicate activation.

Charging Your Devices

The Sherpa 100PD offers multiple ways to charge your devices:

- **USB-C Output:** The 100W USB-C port is ideal for charging laptops, tablets, and other high-power USB-C devices.
- **USB-A Output:** The two USB-A ports provide up to 12W output each, suitable for smartphones, headphones, and other smaller USB devices.
- **Wireless Charging:** Place your Qi-compatible device on the wireless charging pad on top of the Sherpa 100PD. Ensure the wireless charging button is activated.

Figure 4: Approximate charging capacities for various devices.

The Sherpa 100PD can provide approximately 8 recharges for a smartphone (12Wh), up to 3 recharges for a tablet (30Wh), and up to 2 recharges for a laptop (50Wh).

USB-C Input/Output Selector

On the back of the power bank, there is a physical switch to select the function of the USB-C port:

- **Input:** Forces the USB-C port into input-only mode, preventing the power bank from attempting to output power. Useful when charging the Sherpa from a device that might otherwise try to draw power from it.
- **Auto:** (Default) The power bank automatically detects whether to input or output power through the USB-C port.
- **Output:** Forces the USB-C port into output-only mode, ensuring it delivers power to a connected device.

MAINTENANCE

To ensure the longevity and optimal performance of your Sherpa 100PD:

- **Regular Charging:** If not used frequently, top off the battery every 3 to 6 months to maintain battery health.
- **Storage:** Store the power bank in a cool, dry place away from extreme temperatures and direct sunlight.
- **Cleaning:** Use a soft, dry cloth to clean the exterior. Avoid using harsh chemicals or abrasive materials.

TROUBLESHOOTING

If you encounter issues with your Sherpa 100PD, consider the following:

- **Device Not Charging:** Ensure the correct output ports (USB-A, USB-C) or wireless charging are activated via their respective buttons. Check cable connections and try a different cable or device.
- **Slow Charging:** Verify that your wall adapter or solar panel provides sufficient wattage (e.g., 60W for fast charging). Ensure the USB-C selector is in 'Auto' or 'Input' mode when charging the Sherpa.
- **Display Issues:** If the display is not visible, press the 'Display' button. If it remains off or shows incorrect information, try fully discharging and recharging the unit.
- **Overheating:** While the aluminum construction helps dissipate heat, prolonged high-power usage may cause the unit to warm. If it becomes excessively hot, disconnect devices and allow it to cool down.

SPECIFICATIONS

Feature	Specification
Product Dimensions	10.5 x 8 x 2 inches
Item Weight	2.44 pounds
Battery Type	Lithium Ion
Battery Capacity	95Wh (25600 Milliamp Hours)
USB-C Input	60W (max)

Feature	Specification
USB-C Output	100W (max)
USB-A Output	2x 12W
Wireless Charging	15W
Solar Input	8mm port (60W max)
Operating Temperature	32-104°F (0-42°C)
TSA Compliance	Yes (95Wh is below 100Wh limit for carry-on)

WARRANTY AND SUPPORT

The Goal Zero Sherpa 100PD comes with a **2-year warranty**. For any questions, technical assistance, or warranty claims, please contact Goal Zero's customer service. Their outstanding support team is available to assist you.

For more information and support resources, visit the official Goal Zero website or refer to the contact details provided in your product packaging.